

Converting Colors

YIQ(20.6950, 17.8770, 22.9410)

Have a look what the booklet for
YIQ(20.6950, 17.8770, 22.9410)
contains.

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Color

**YIQ(20.6950, 17.8770,
22.9410)**

Conversions

Conversions Part 1

Format	Color
Hex	340128
RGB	52, 1, 40
RGB Percent	20%, 0%, 16%
CMY	0.7959, 0.9962, 0.8431
CMYK	0.00, 0.98, 0.23, 0.80
HSL	314°, 96%, 10%
HSV	314°, 98%, 20%
XYZ	1.8119, 0.9056, 2.0877
YIQ	20.6950, 17.8770, 22.9410

Conversions

Conversions Part 2

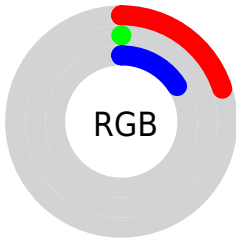
Format	Color
R_{YB}	52, 1, 40
Decimal	3408168
CIE _{Lab}	8.18, 29.35, -11.84
CIE _{LCh}	8, 31.649, 338.025
Yxy	0.9056, 0.3771, 0.1885
Android (android.graphics.Color)	4281598248 (0xFF340128)
YUV	20.6950, 9.5174, 27.4545
Hunter-Lab	9.5161, 17.3335, -6.3461

Details

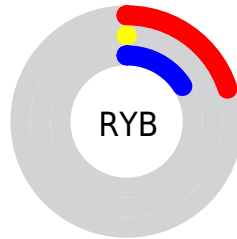
The YIQ color **20.6950, 17.8770, 22.9410** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **32.3050, -17.8770, -22.9410**, and the grayscale version is **21.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **68.0650, 19.7110, 22.7430**, and **0.0000, 0.0000, 0.0000** is the 20% darker color. If you saturate the color by 10%, you get **20.1080, 18.1520, 23.4640**, and if you desaturate by 10%, it is **23.7440, 16.1810, 20.6370**.

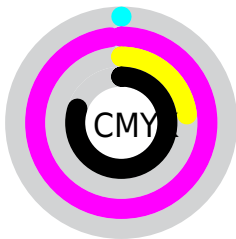
Distribution



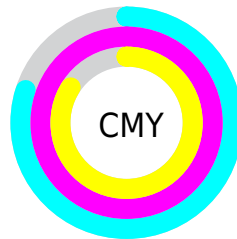
- Red (20%)
- Green (0%)
- Blue (16%)



- Red (20%)
- Yellow (0%)
- Blue (16%)



- Cyan (0%)
- Magenta (98%)
- Yellow (23%)
- Black (80%)





- Cyan (80%)
- Magenta (100%)
- Yellow (84%)


Brightness & Saturation Gradients


These gradients show how the YIQ color 20.6950, 17.8770, 22.9410 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the YIQ color 20.6950, 17.8770, 22.9410 by changing the saturation by 10% instead.

 20.6950, 17.8770,
22.9410


 20.6950, 17.8770,
22.9410


 240.9120, 6.6000,
12.5520


 11.4350, 12.3770,
12.4810

 68.0650, 19.7110,
22.7430

 0.0000, 0.0000,
0.0000

 92.1900, 20.8570,
24.0010


 117.4890, 21.4530,
24.2130


 143.5000, 22.9200,
25.1600


 170.7990, 23.5160,
25.3720


 198.2120, 23.7910,


25.8950


 222.6350, 18.1060,
24.2980


 20.6950, 17.8770,
22.9410


 20.6950, 17.8770,
22.9410


 20.1080, 18.1520,
23.4640

 23.7440, 16.1810,
20.6370

 26.7930, 14.4850,
18.3330

 30.5430, 12.1930,
15.8170

 33.5920, 10.4970,
13.5130

 36.6410, 8.8010,
11.2090

■ 39.6900, 7.1050,
8.9050

■ 42.8530, 5.0880,
6.9120

■ 46.4890, 3.1170,
4.0850

■ 49.5380, 1.4210,
1.7810

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



24.2730, -4.5420, 16.2420



20.6950, 17.8770, 22.9410



19.8070, 29.0650, 18.4170

Triad

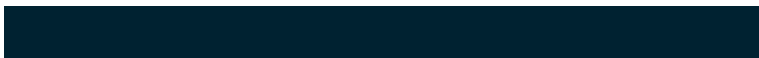
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



20.6950, 17.8770, 22.9410



22.4490, 8.6210, -7.5630



25.5440, -25.0790, -2.5430

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



20.6950, 17.8770, 22.9410



32.3050, -17.8770, -22.9410

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



23.8510, -18.9340, -9.2860



20.6950, 17.8770, 22.9410



17.6100, -8.2500, -15.6900

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



20.6950, 17.8770, 22.9410



22.8360, 20.9530, 0.2250



19.9580, -9.3500, -17.7820



25.3790, -28.7480, 3.3800

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



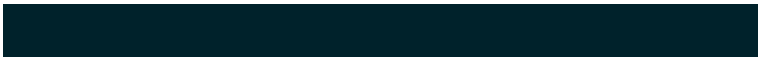
20.6950, 17.8770, 22.9410



17.3420, 34.5680, 12.2960



19.9580, -9.3500, -17.7820



24.8600, -23.1530, -4.4090

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



20.6950, 17.8770, 22.9410



56.6900, 7.1050, 8.9050



10.4020, -9.2190, 18.4050



28.0270, 4.5380, 5.8660



163.0000, -0.0000, -0.0000



36.0000, -0.0000, 0.0000

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



20.6950, 17.8770, 22.9410



26.6730, 24.1110, 31.1110



17.8450, 25.9020, 15.1660



24.1250, 1.1460, 1.2580



34.3630, 31.2160, 40.0160



83.8070, 76.0460, 97.6300

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



20.6950, 17.8770, 22.9410



26.6730, 24.1110, 31.1110



35.1550, -25.9020, -15.1660



24.1250, 1.1460, 1.2580



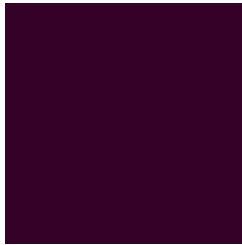
34.3630, 31.2160, 40.0160



83.8070, 76.0460, 97.6300

Previews

White Background



This preview shows how the YIQ color 20.6950, 17.8770, 22.9410 looks on a white background.

Color Contrast Check

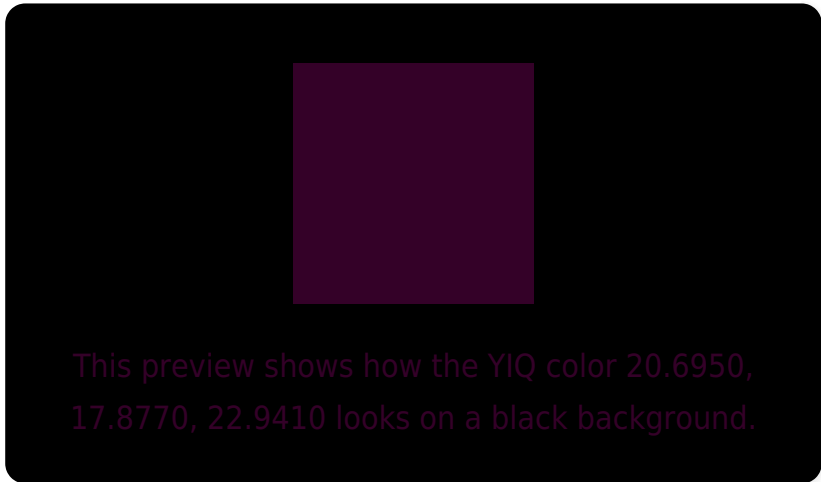
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

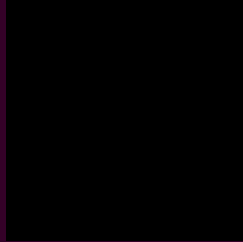
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

YIQ 20.6950, 17.8770, 22.9410

Background



This preview shows how black text looks on a background with the YIQ color 20.6950, 17.8770, 22.9410.



This preview shows how white text looks on a background with the YIQ color 20.6950, 17.8770,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

20.6950, 17.8770, 22.9410

Protanopia

24.7390, -20.9540, 5.3020

Deuteranopia

28.4280, -4.0810, 2.3750



Tritanopia

26.2800, 19.9430, 7.5190

Trichromacy



Original Color

20.6950, 17.8770, 22.9410

Protanomaly

23.5560, -7.0170, 11.5350

Deuteranomaly

25.3630, 3.7120, 9.8240

Tritanomaly

24.5560, 19.3460, 12.8340

Monochromacy



Original Color

20.6950, 17.8770, 22.9410

Achromatopsia

21.0000, -0.0000, -0.0000

Achromatomaly

20.9780, 6.2340, 8.1700

CSS Examples

Text

The CSS property to change the color of the text to YIQ 20.6950, 17.8770, 22.9410 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(52, 1, 40)` looks like.

```
.text, #text, p{  
    color:rgb(52, 1, 40)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(52, 1, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 1, 40) }
```

Border

The CSS property to change the border of an element to YIQ 20.6950, 17.8770, 22.9410 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(52, 1, 40) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(52, 1, 40) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(52, 1, 40)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 1, 40); -webkit-box-shadow:4px  
4px 4px 4px rgb(52, 1, 40); box-shadow:4px  
4px 4px 4px rgb(52, 1, 40) }
```

Background

The CSS property to change the background color of an element to YIQ 20.6950, 17.8770, 22.9410 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 1, 40) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(52, 1,  
40) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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